

## INTERNATIONAL SEARCH REPORT

PCT/US2005/003942

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16L11/04 B32B1/08 B32B27/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16L B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 766 548 A (HUTCHINSON) 29 January 1999 (1999-01-29)  claims 1,5,6,8 page 1, line 3 - line 7 page 2, line 4 - line 16 page 2, line 33 - page 3, line 5	1-12,14, 20-23, 25-30
Y	page 3, line 13 - line 29 page 4, line 29 - line 31	13, 15-19,24
X	EP 1 355 098 A (NOBEL PLASTIQUES) 22 October 2003 (2003-10-22)  claims 1,2,4-7 paragraphs '0001!, '0008!, '0009!, '0011! - '0018!  ----- -/-	1-12,14, 20-23, 25-30

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

27 May 2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	EP 1 362 692 A (MAGNETI MARELLI POWERTRAIN SPA) 19 November 2003 (2003-11-19) claims 1-5 paragraphs '0001!', '0002!', '0016!', '0018!'	1-3, 6-12,14
X	EP 0 470 605 A (EMS-INVENTA AG) 12 February 1992 (1992-02-12)  claims 1,4,9,10,13 page 2, line 1 - line 12 page 3, line 1 - line 6 page 3, line 25 - line 29	1-4,6, 10-12, 14, 20-23, 25-30
Y	US 2002/090477 A1 (ITO HIROAKI ET AL) 11 July 2002 (2002-07-11) claims 1,9,13,16-18,20	13, 15-19,24
A	EP 1 022 132 A (TEIJIN LIMITED) 26 July 2000 (2000-07-26) claims 1,21	1-30

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